

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB/00611

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B25B15/00 F16B31/02 F16B23/00 F16B41/00

10/524078

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25B F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 149 434 A (WILSON LEROY) 17 April 1979 (1979-04-17) abstract	1,11,12
A	column 2, line 1 - column 3, line 25 figures	2,3
X	EP 0 498 693 A (HENNERT SA) 12 August 1992 (1992-08-12) abstract	1,11,12
A	column 4, line 46 - line 55 column 5, line 21 - line 27 column 5, line 46 - line 55 column 6, line 18 - line 37 figures	2,3,6-9
X	BE 567 885 A (MONTICELLI, G.) 12 August 1960 (1960-08-12) page 4 - page 5; figures	13-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

13 November 2003

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26/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Granger, H

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4149434	A	17-04-1979	NONE	
EP 0498693	A	12-08-1992	FR 2672346 A1 DE 69200061 D1 DE 498693 T1 EP 0498693 A1 ES 2033631 T1	07-08-1992 14-04-1994 17-12-1992 12-08-1992 01-04-1993
BE 567885	A		NONE	